

Level 1 Validation Certificate



This document verifies that the Level 1 Validation process was completed. The session details and audit review outcomes are included here.

This certificate is required for submission – alongside the Level 1 validated water audit software file – to the California Department of Water Resources.

Call Date: 11/19/2020

Water Supplier

Supplier Name:
City of Newport Beach

Supplier Participants:
Michael Curry, Utilities Supervisor

Key Audit Metrics

Data Validity Score:	68
ILI:	0.71
Real Loss:	11.51 gal / conn / day
Apparent Loss:	6.90 gal / conn / day
Non-Revenue Water as Percent of Cost of Operating System:	3.0%

Validator

Validator: Reinhard Sturm,
Water Systems Optimization, Inc.

Validator Qualifications: Water Audit Validator Certificate from the AWWA California Nevada Section

Certification Statement by Validator

This water loss audit report has been Level 1 validated per the requirements of California Code of Regulations Title 23, Division 2, Chapter 7 and the California Water Code Section 10608.34.

All recommendations on volume derivation and Data Validity Grades were incorporated into the water audit. ☒

Level 1 Validation – Water Supplier Confirmation

This document confirms participation in and endorsement of the Level 1 Validation as completed.

This acknowledgement is required for submission – alongside your Level 1 validated water audit software file – to the California Department of Water Resources.

Water Supplier Name:

City of Newport Beach

Water Supplier Public Water System ID:

CA3010023

Water Audit Period:

07/01/2019 – 06/30/2020

Water Audit & Water Loss Improvement Steps

Steps taken in the audit period timeframe to increase data source accuracy, reduce real losses, and/or reduce apparent losses, as informed by the water audit.

The City of Newport Beach has begun an Advanced Metering Infrastructure (AMI) project which entails replacing its current inventory of manual read meters, under two-inch in size, with new AMI meters. Because so many of these small meters are old and may not accurately register low flow's, the replacement of these meters will capture these low flow's that may have contributed to higher amounts of unaccounted for water. These new AMI meters will also track customers usage helping to identify leaks on their side of the meter. The City will be notifying these customers of their leaks and asking them to fix them in a timely matter. Installation of these meters will take place over the next three years.

Certification Statement by Water Supplier Executive:

This water loss audit report meets the requirements of California Code of Regulations Title 23, Division 2, Chapter 7 and the California Water Code Section 10608.34 and has been prepared in accordance with the method adopted by the American Water Works Association, as contained in their manual, *Water Audits and Loss Control Programs, Manual M36, Fourth Edition* and in the Free Water Audit Software version 5.

Executive Name (print):

Steffen Catron

Executive Position:

Utilities Manager

Signature:



Date

December 7, 2020